Olympic National Park may eventually be the means of saving a nucleus of all of our anadromous fishes on the Pacific Coast as present safeguards are entirely inadequate.

Arthur S. Einarsen, 1938, Oregon State College

Fish shown on cover: steelhead trout mountain whitefish coastal cutthroat trout Chinook salmon bull trout sockeye salmon



### For More Information

If you have questions about information in this guide, please contact:

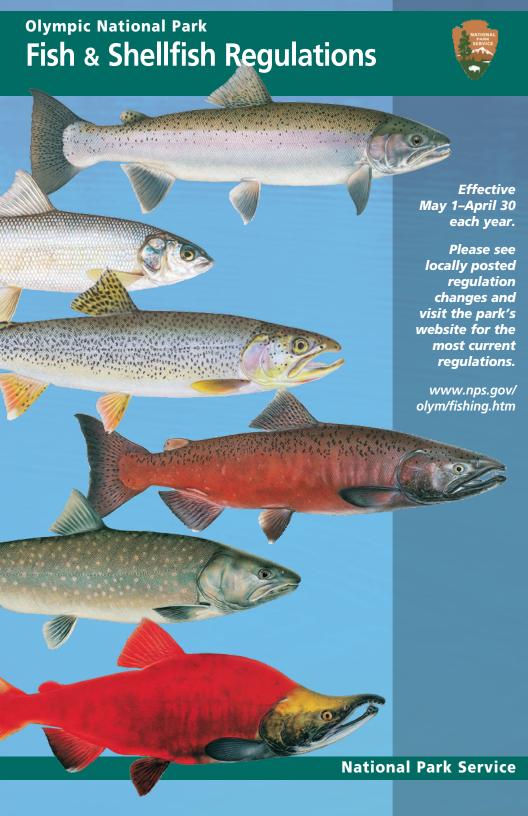
Fisheries Management Division 600 East Park Avenue Port Angeles, WA 98362 360-565-3081 or 3075

Written by Sam Brenkman (Olympic NP)
Designed by Carolyn Duckworth (Yellowstone NP) and Jerry Freilich (Olympic NP)

All illustrations and photos © by originator except NPS images, which are public domain. Cover illustrations: Joe Tomelleri; p. 3: NPS; p. 4: Phil Kennedy; p. 5, top: State of Washington, Depts. of Fish and Wildlife, and Ecology; p. 5, bottom: Steven Fradkin; p. 7: NPS; p. 8, map: NPS/Olympic GIS lab; p. 11: Frankie Collins-Lubin; p. 12: C. Duckworth; p. 14, illustration: Joe Tomelleri; p. 14–15, fish photos: Florian Graner, John McMillan; p. 15 (high lake): NPS; p. 16: Tony Overman, with permission of *The Daily Olympian;* p. 17: Dave Conca



Printed on recycled paper & vegetable ink ◆ May 2014



# The Reason for Fishing Regulations

# **Protect Native Fish Populations Provide Fishing Opportunities**

Three primary objectives guide Olympic National Park's fisheries management program:

- 1. Manage aquatic resources as an important part of the park ecosystem.
- 2. Preserve and restore native fishes and their habitats.
- 3. Provide recreational fishing opportunities for the enjoyment of park visitors, consistent with the first two objectives.

Three types of regulations protect native fish populations:

- General (pages 6–7): Become familiar with the general regulations, which include information on seasons, licenses, legal gear, fish consumption advisories, closed waters, and size and possession limits.
- 2. Area Specific (pages 8–13): Become familiar with regulations for specific areas in the park.
- 3. Species Specific (pages 14–15): Become familiar with the different fish species commonly encountered in the park, their identification, and regulations specific to each species.

| Introduction3                          |
|--|
| Ecology & Economy4                     |
| Aquatic Invasive Species5              |
| General Regulations 6–7                |
| Map8                                   |
| Freshwater Fish Regulations 8–12       |
| Marine Fish & Shellfish Regulations 13 |
| Native Fish Descriptions               |
| Fisheries Management                   |
| Frequently Asked Questions             |

Help preserve Olympic fisheries for the future.

### Introduction

### Olympic National Park has . . .



#### Geography

Olympic National Park is home to all salmon species native to the Pacific Northwest. Encompassing nearly one million acres of designated wilderness on the Olympic Peninsula of northwestern Washington, Olympic National Park is a designated World Heritage Site and Biosphere Reserve that contains one of the largest contiguous areas of relatively pristine habitat throughout the range of several west coast fish species. In fact, Olympic National Park supports some of the most extensive runs of wild salmon, trout, and char remaining in the Pacific Northwest.

- ◆ 12 major watersheds and more than 4,000 miles of rivers and streams.
- ◆ 600 high lakes, two large lakes, and more than 70 miles of intertidal habitats along the Pacific Coast.
- ◆ Lake Ozette—the third largest natural lake in Washington State.
- ◆ 31 native freshwater species from 11 different families of fish.
- ◆ At least 70 unique populations of Pacific salmon, trout, and char.
- ◆ 5 non-native fish species: brook trout, yellow perch, largemouth bass, yellow bullhead, and American shad.
- ◆ 5 fish species are on the federal threatened species list: bull trout, Puget Sound steelhead, Puget Sound Chinook salmon, Hood Canal summer chum salmon, and Lake Ozette sockeye salmon.

On the west side of the park are major coastal watersheds that include the Bogachiel, Dickey, Hoh, Queets, Quinault, and Quillayute rivers. To the north are the Elwha, Graywolf, and Sol Duc rivers and to the east are the Dosewallips, Duckabush, Hamma Hamma, and North Fork Skokomish rivers. These rivers drain directly into the marine waters of the Pacific Ocean, Strait of Juan de Fuca, or Hood Canal/Puget Sound. In the park's rugged terrain that ranges in elevation from 8,000 feet to sea level are two large lakes—Lake Cresent, the crown jewel of the park, and Lake Ozette, the third largest natural lake in Washington State.

... great salmon threshed in the water all night long... At every few yards was to be seen the remains of a fish where cougar, coon, otter, or eagle had made a meal.

### **Ecology & Economy**

Olympic National Park's population of salmon species (salmonids) are critically important to the park's ecology. For example, they provide food for more than 130 species of aquatic and terrestrial wildlife species. The carcasses of spawned salmon may also contribute 20 to 40 percent of the phosphorus, nitrogen, and carbon in freshwater systems.

Olympic National Park has exclusive jurisdiction over recreational fisheries in the park. Fisheries biologists work with the State of Washington and eight treaty tribes each year to establish harvest and gear regulations. Fishing in Olympic National Park emphasizes the quality of recreational fishing rather than providing fish for human consumption. Anglers, in return, have the opportunity to fish for wild, hatchery, and non-native fish in a natural setting.

Recreational fishing has long been a popular activity on the Olympic Peninsula, and now is a multimillion-dollar industry for local communities. Within Olympic

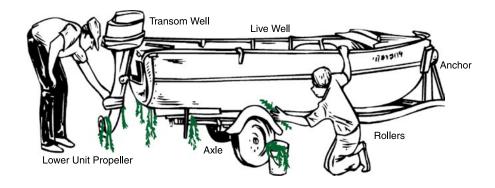
National Park, virtually all of the waters support highly popular sport fisheries. This popularity is fostered by the park's proximity to the Seattle/Tacoma metropolitan area (100 miles away), where many of the rivers that still harbor salmonids are closed to fishing. The Seattle/Tacoma population has grown significantly over recent decades—about 20 percent from 1990 to 2000—a trend that is projected to continue. Because of this, fisheries managers expect recreational fishing to increase.

Salmon returning to Olympic National Park also are harvested outside of the park during most weeks of the year in economically important commercial and subsistence fisheries. Salmon have a significant role in the cultures of treaty tribes that surround the park: Elwha Klallam, Hoh, Jamestown S'Klallam, Makah, Queets, Quileute, Quinault, and Skokomish.

**Oueets River** 



# Aquatic Invasive Species



#### PREVENT THE SPREAD OF AQUATIC INVASIVE SPECIES

Before you enter Olympic National Park and any time you move to another body of water within the park:

#### **CLEAN YOUR BOAT**

Mud, plants, and animals on watercraft, trailers or vehicles can cause the spread of invasive species such as milfoil, zebra mussels, and Quagga mussels. Invasive mussels cause millions of dollars of damage to boat and water systems by clogging pipes and engines. They also impact the native ecosystem and sport fisheries.

#### **CLEAN YOUR GEAR**

- Remove ALL visible mud, plants, and fish from your boat, trailers, waders, boots, and nets.
- 2. DO NOT dump any water from other sources into Olympic National Park waters. Drain your boat hull and live well in a safe location away from all park surface waters.
- 3. NEVER empty bait or release fish into a body of water unless they came out of it.
- **4.** CLEAN AND DRY EVERYTHING that comes in contact with water before entering a new body of water.

#### PRESERVE THESE SCENIC AND PROTECTED WATERWAYS

Lake Crescent



### **General Regulations**

### 1 Fishing Season

All waters in Olympic National Park are closed to the removal of fish and shellfish (including freshwater crayfish and freshwater mussels) except as described on pages 8–12 (freshwater fish) and page 13 (marine fish & shellfish). All waters described on pages 8–12 are open to fishing from one hour before official sunrise to one hour after official sunset.

## 2 Fishing Licenses

- **a.** A Washington State Recreational Fishing License is NOT required to fish in Olympic National Park EXCEPT when fishing in the Pacific Ocean from shore. No license is required to harvest surf smelt.
- **b.** A Washington State catch record card is REQUIRED to fish for salmon or steelhead (*see page 17*).
- c. A Washington State Shellfish/Seaweed license is REQUIRED for harvest of shellfish from the Pacific Coastal Area. Harvest of seaweed, kelp, and unclassified species is prohibited (see Marine Fish and Shellfish Regulations, page 13).
- **d.** Fishing guides must annually apply for a commercial use authorization permit to conduct fishing trips in Olympic National Park. Please call 360-565-3007 for an application.

### 3 Legal Gear

**a.** Recreational fishing in freshwater areas of Olympic National Park is restricted to artificial lures with a single point barbless hook except as described on pages 8-12.

- b. Anglers must only use a single rod, reel and line that are under immediate control.
- c. Seines, traps, drugs, explosives, and nets (except to land a legally hooked fish or dip-net smelt) are prohibited.
- **d.** Only knotless nets may be used to land fish.
- **e.** In marine waters, up to 2 barbed hooks may be used for non-salmonid species.

### Fish Consumption Advisory

- **Locations:** Mountain lakes (brook trout) and Lake Ozette (largemouth bass, yellow perch and northern pikeminnow).
- **Pollutant:** Mercury. Some fish exceed the human consumption threshold for mercury.

The National Park Service recommends following the Washington Department of Health guidelines for safe consumption of recreationally caught fish, available at www.doh.wa.gov/ehp/oehas/fish/.

# 5 Boats & Rafts

Fishing from boats or other floating devices is permitted on the following rivers: Ozette, Queets below Tshletshy Creek, Hoh downstream from the launch site located ~½ mile from the park boundary near South Fork confluence, Hoh in the Pacific Coastal Area, Quinault below the North Shore Quinault River Bridge, Elwha below Glines Canyon Dam site, and Quillayute and Dickey rivers. Motorized craft are only allowed on the Quinault below the North Shore Quinault River Bridge, in the park's coastal portions of the Quillayute, Dickey, and Hoh rivers (in the Pacific Coastal Area), and in Lake Crescent and Lake Ozette.

## 6 Waters Closed to Fishing

- ◆ The portion of Kalaloch Creek downstream from Highway 101 bridge and the area used for domestic water supply (as posted).
- Elwha River and its tributaries in Olympic National Park.
- Sol Duc River from 100 yards upstream to 250 yards downstream (or as posted) at the Salmon Cascades.

### 7 Bait

Bait is defined as any artificial or natural substance that attracts fish by scent and/ or flavor. Most freshwater areas of Olympic National Park are managed as "Selective" or "Quality" fishing areas where bait is prohibited. Areas open to bait fishing are listed on pages 8–13.

### Prohibited in all park waters:

- ◆ Possession of illegal bait.
- Using live or dead minnows, chub, or other freshwater bait fish.
- ◆ Chum broadcast, feed, or distribute bait (e.g., fish eggs, roe, or food).
- Digging for bait or harvesting intertidal organisms.

# 8 Salmon Size & Possession Limits

- ◆ 12-inch minimum size limit. All fish retained larger than 12 inches count towards the daily catch limit.
- Daily possession limit: 2 daily limits in fresh form.
- Hatchery steelhead and salmon may be caught and released until daily limit is retained.

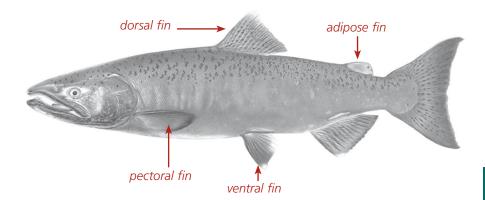
# 9 Identifying Hatchery Fish

Hatchery salmon and steelhead are identified by a healed scar where the adipose or ventral fin was removed (see below). Harvest is only allowed in areas and seasons listed on pages 8–12. Queets River hatchery steelhead are identified by a dorsal fin height of less than 2½ inches (November 15 to February 28).

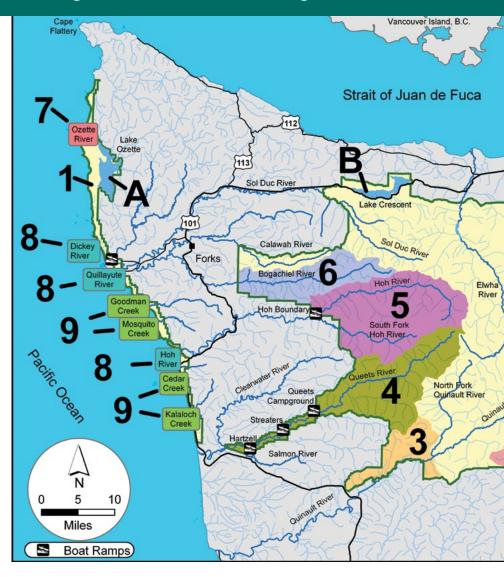
# 10 Catch & Release All Wild Fish

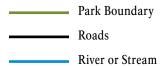
All wild steelhead (unmarked and identified by intact adipose fin) must be released in Olympic National Park. All other wild (unmarked) fish species must be released unless specifically allowed on pages 8–13.

Fishing for bull trout and Dolly Varden is prohibited in all park waters. They must be safely released if accidentally caught.



# **Drainages & Freshwater Fish Regulations**







Regulation Zone Number (map & chart)



Boat Ramp



| Zone | Drainages (Areas)  | Season                               | Gear  | Daily Limit   |
|------|--|--------------------------------------|---|---|
| 8    | Dickey River Mouth   | June 1-April 30                      | Identical to State regulations. See State gear regulations for this river from the park boundary upstream to the confluence of the East and West Forks                        | Release all wild steelhead, salmon, and trout<br>See State regulations for daily limits of hatchery salmon and steelhead from<br>the park boundary upstream to the confluence of the East and West Forks          |
|      | Hoh River Mouth  | May 15–April 15                      | Identical to State regulations. See State gear<br>regulations for this river from the park<br>boundary upstream to Dept. of Natural<br>Resources Oxbow Campground boat launch | Release all wild steelhead, salmon, and trout See State regulations for daily limits of hatchery salmon and steelhead from the park boundary upstream to Dept. of Natural Resources' Oxbow Campground boat launch |
|      | Quillayute River   | Year-round                           | Identical to State regulations. See State gear<br>regulations for this river from the park<br>boundary upstream to the confluences of the<br>Sol Duc and Bogachiel Rivers     | Release all wild steelhead, salmon, and trout See State regulations for daily limits of hatchery salmon and steelhead from the park boundary upstream to the confluences of the Sol Duc and Bogachiel Rivers      |
| 9    | Cedar, Goodman, Kalaloch, and Mosquito creeks (Pacific Coastal Area) | June 1–February 28                   | Artificial lure with barbless single point hook   | Catch & release<br>Can retain 2 hatchery steelhead  |
| A    | Lake Ozette  | Last Saturday<br>in April–October 31 | Artificial lure with barbless single point hook   | Catch & release EXCEPT no daily, size, or possession limits for yellow perch, largemouth bass, pikeminnow, and bullhead See Fish Consumption Advisory, page 6, item 4   |
| В    | Lake Crescent  | June 1–October 31                    | Artificial lure with barbless single point hook; 2 ounce weight restriction   | Catch & release   |
|      | High elevation lakes (above 1,300 ft)                                | Last Saturday<br>in April–October 31 | Bait, treble, and barbed hooks allowed  | A combined total of 5 rainbow and/or cutthroat trout, no minimum size limit   |
|      |  | Last Saturday<br>in April–October 31 | Bait, treble, and barbed hooks allowed  | No daily, size, or possession limits for brook trout<br>See Fish Consumption Advisory, page 6, item 4   |
|      | Irely Lake   | Last Saturday<br>in April–October 31 | Artificial lure with barbless single point hook   | Catch & release   |





Mussels and barnacles



# Marine Fish & Shellfish Regulations

| Fish Species                                     | Minimum<br>Size | Daily Limit  | Season  |
|--|-----------------|--|---|
| Herring/sardine/sandlance/<br>anchovy/surf smelt | None            | 10 pounds all species combined   | Year-round  |
| Lingcod  | 22"             | 2 but no more than 12<br>bottom-fish total, regardless of<br>species                                   | April 16-Oct. 15  |
| Rockfish   | None            | 10 BUT release all yelloweye & canary rockfish No more than 12 bottomfish total, regardless of species | Year-round  |
| Greenling  | None            | 15<br>BUT no more than 12<br>bottom-fish total, regardless of<br>species                               | Year-round  |
| Cabezon  | 18"             | 1<br>BUT no more than 12<br>bottom-fish total, regardless of<br>species                                | Year-round  |
| Surfperch  | None            | 12<br>BUT no more than 12<br>bottom-fish total, regardless of<br>species                               | Year-round; bait<br>and up to 2 single<br>barbed hooks<br>may be used |
| All other intertidal fish (unclassified)         |                 | CLOSED   |   |

| Shellfish Species  | Minimum<br>Size                     | Daily Limit                                | Season  |
|--|-------------------------------------|--|---|
| Goose neck barnacles   | None                                | 10 pounds whole or<br>5 pounds stalks      | Nov. 1-March 31                                       |
| Horse clams  | None                                | 7 (must keep first 7)                      | Nov. 1-March 31                                       |
| Littleneck/butter/manila clams/cockles   | 1½"                                 | 10 pounds in shell or<br>40 TOTAL clams    | Nov. 1–March 31                                       |
| Mussels  | None                                | 10 pounds in shell                         | Nov. 1-March 31                                       |
| Razor clams  | None                                | 15 (must keep first 15)                    | To Be Announced                                       |
| Dungeness crab   | 6"                                  | 6 males only<br>BUT NO soft-shell crabs    | Pots:<br>Dec. 1–Sept. 15<br>Other gear:<br>year–round |
| Red rock crab  | 5"                                  | 6 of either sex<br>BUT NO soft-shell crabs | Pots:<br>Dec 1.–Sept. 15<br>Other gear:<br>year–round |
| Abalone, geoducks, octopus, o<br>shrimp, scallops (all species),<br>sea urchins (all species), shrin<br>all other intertidal invertebrat | sea cucumbers,<br>up (all species), | CLOSED                                     |   |
| No harvest of any fish or inv  | ertebrates for bait                 |  |   |

### **Identify Olympic's Native Fish**

### **Cutthroat Trout—CT**

dark spots on light backgroundonly species with red slash on lower

iaw



**Distribution:** parkwide

Regulation: catch & release only; see regulations for Pacific Coastal Area

### **Bull Trout—BT**

- back and sides olive-green to brown with cream spots
- ◆ light spots on dark background
- ◆ clear dorsal fin



**Distribution:** parkwide except Bogachiel, Dosewallips, Duckabush, Ozette

**Regulation:** fishing prohibited

### Steelhead Trout—ST

- ◆ no red slash on lower jaw
- ◆ reddish stripe often along the side



**Distribution:** parkwide except Dosewallips, Duckabush, North Fork Skokomish **Regulation:** catch & release only for all wild steelhead; can keep 2 hatchery steelhead *See page 7, item 9 for details about identifying hatchery steelhead.* 

### Chinook Salmon—CH

- black gums around the teeth and lower jaw
- ◆ spots on both lobes of the tail



**Distribution:** parkwide except Dosewallips, Duckabush

Regulation: catch & release only; see regulations for Pacific Coastal Area

### Mountain Whitefish—MW

- ◆ small mouth oriented towards stream bottom
- no teeth
- large scales



Distribution: parkwide except Dosewallips, Duckabush, Elwha, Ozette

**Regulation:** catch & release only



### Non-native Fish

Fisheries biologists at Olympic National Park are increasingly concerned about the effects of non-native fish on native fish communities. Mountain lakes had no fish until they were stocked between 1913 and 1975. At least 10 different fish species were planted via helicopter, airplane, horses, and by backpackers. More than 14.5 million fish were planted into Lake

Crescent alone. Today, non-native brook trout and non-indigenous rainbow trout occur in 5 of 12 major watersheds in the park. These non-native fish significantly threaten native amphibians and fish, particularly the federally threatened bull trout.

## **Olympic National Park's Fishery**

#### **Management Challenges**

Fishery managers in Olympic National Park face one consistent challenge: protecting and conserving native fish species while providing recreational fishing. This dual mission has led to a long history of apparently contradictory fisheries management activities:

Hatcheries: On the Olympic Peninsula, hatcheries release millions of hatchery salmonids each year to enhance recreational and commercial fisheries, often without regard to their impacts on native fish. Hatchery fish interbreed with wild fish, thus altering wild populations, reducing fitness, and reducing genetic variation among populations.

**Harvest:** Recreational, commercial, and subsistence fisheries influence the number of adult salmonids returning to Olympic National Park streams and rivers.

**Hydroelectric dams:** Dams on the North Fork Skokomish influence fish populations. Two dams on the Elwha were removed to restore ecosystem processes and Pacific salmonids. Elwha River restoration was one of the largest such projects in the National Park Service.

Searching for salmon



#### **Monitoring Fish Populations**

Fisheries biologists at Olympic National Park monitor seasonal and annual trends in fish populations using these methods:

**Redd surveys:** Biologists walk along rivers and creeks counting salmon nests to determine the numbers of returning spawners.

**Snorkel surveys:** Two divers float downstream and count each fish species during the summer in eight rivers.

**Angler interviews:** Biologists interview anglers to estimate fishing effort and catch per hour for various fish species.

**Radiotelemetry studies:** Biologists implant radio transmitters into fish and track their migrations using fixed data stations, manual tracking, and aerial surveys.

**Genetic research:** Biologists collect and analyze fish fin tissues to determine uniqueness of populations and hybridization between hatchery and wild fish.

**Fish pathology:** National Park Service and U.S. Fish and Wildlife Service biologists share data about parasites, viruses, and bacteria that threaten native fish species.

This monitoring allows fisheries managers to detect trends in high-priority species, non-native and hatchery fish, and federally-listed fish. They also use the data to improve harvest management, fishing regulations, and habitat restoration.

#### Razor clam stock assessments:

Biologists survey Kalaloch Beach to determine the number of razor clams. Data are shared with the State and Treaty Tribes to determine harvest opportunities.

### **Frequently Asked Questions**

# Where can I see salmon and steelhead?

- Big Creek, Quinault River sockeye salmon (Nov-Dec) near bridge crossing the stream.
- Sol Duc River summer coho salmon (Sept-Oct) and steelhead (Apr) at the Salmon Cascades exhibit.
- Hoh Visitor Center coho salmon (Nov-Jan).

# Do I need a State fishing license in Olympic National Park?

No, unless you are fishing the Pacific Ocean from shore.

#### Do children need a license?

No, they do not need a fishing license to fish in Olympic National Park.

# Do I need to fill out a State catch record card?

Yes. All anglers, including children, are REQUIRED to fill out a Washington State catch record card if retaining salmon or steelhead. The catch record card requires a location code for each retained fish. Location codes for waters in Olympic National Park are:

Bogachiel River (398)

Calawah River, South Fk (400)

Cedar Creek (311)

Dickey River (402)

Goodman Creek (345)

Hoh River, Mouth (350)

Hoh River, Upper (348)

Hoh River, South Fk (352)

Kalaloch Creek (369)

Mosquito Creek (373)

Ozette River (388)

Queets River (394)

Quillayute River (404)

Quinault River (412)

Salmon River (396)

Skokomish River, North Fk (834)

Sol Duc River & North Fk (406)

# How can I help the park's fisheries?

- ◆ Learn to identify fish species.
- ◆ Keep all fish that you can confirm are hatchery-raised (see page 7).
- ◆ Retain all brook trout.
- Release all wild fish, following the guidelines below.



Releasing a Hoh River wild steelhead

### **Handling & Releasing Fish**

Please follow these guidelines when handling and releasing fish:

- Land the fish as quickly as possible to minimize the fish's fatigue.
- ◆ Leave the fish in the water while removing the hook. Do not drag the fish across land.
- Wet your hands and do not squeeze or hold the fish by the eyes or gills.
   Minimize time out of water for photos.
- ◆ If the fish is hooked deeply, cut the line and leave the hook in.
- Safely release fish in quiet water near point of capture.